

DP-309337 (DEL01 P-465)

**TECHNIQUE FOR DETECTING TRUCK TRAILER
FOR STOP AND GO ADAPTIVE CRUISE CONTROL**

Abstract of the Disclosure

A technique for providing better detection of close range truck trailers for a motor vehicle with Stop and Go Adaptive Cruise Control determines if a range parameter to a target requires modification if such target is a truck trailer, for example. Truck trailer geometry is such that a standard adaptive cruise control system may have difficulty accurately determining the range to the rearmost position of the truck. The technique determines an initial range from the motor vehicle to a target. Then, the technique determines whether the range rate of the target is above a predetermined rate. When the range rate of the target is not above the predetermined rate, the technique determines whether the initial range to the target is less than a current range to the target. If so, the technique provides an adjusted range, which is then utilized in the control operation of the motor vehicle.